



Type series FZW / FUW

12 – 300 W with screwed fastening brackets



FZW 160x45



Cemented wirewound tubular fixed resistor, degree of protection IP00, with screwed fastening brackets, fixing parallel to mounting surface. Connections at screw, fast-on or soldering clips of the resistor*.

*For available connection types and designations please see pages T109E/110E

Technologies

- connections directly at the resistor
- optional with either screw, fast-on or soldering connection
- integration into switch cabinets
- adjustable clips available
- with screwed fastening brackets

The given power values are valid for 100% DCF (continuous dissipation) at an ambient temperature of max. 40°C and a surface temperature (ST) of 300°C. The values can be increased by the factor 1,3. Then the ST will increase up to approx. 350°C.

The given power values can be essentially increased during short time operation as a function of the duty cycle factor (DCF). The peak power can be easily calculated. Just multiply the values by the corresponding overload factors (OLF) of this table:

DCF	60%	40%	25%	15%	6%
OLF	1,5	2,2	3,2	5,0	9,5

These overload factors are valid for a total cycle time of maximum 120 s.

Application

As ballast, limiting, filter or series resistors etc in switch cabinets or electric devices.

Efficient operation by the prefixed screwed fastening brackets in a range of industries.

Special design

- from construction size D=24 on with temperature switch (TS) with fast-on connections 6,3 x 0,8

How to order: Example:

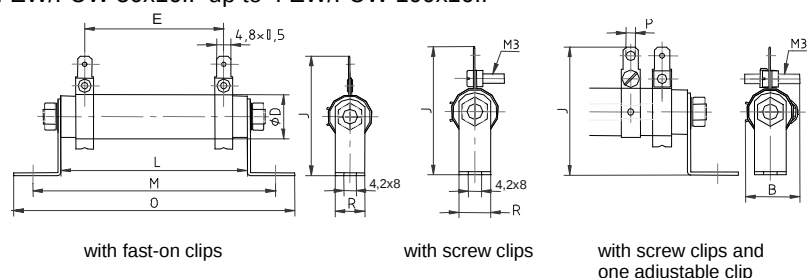
Continuous dissipation 250 W,
resistance value 5,6 Ω
Is to be wired at fast-on connections
(without adjustable clip)
Type designation then:
FZW 330x35 S – 5,6

Electrical and mechanical data

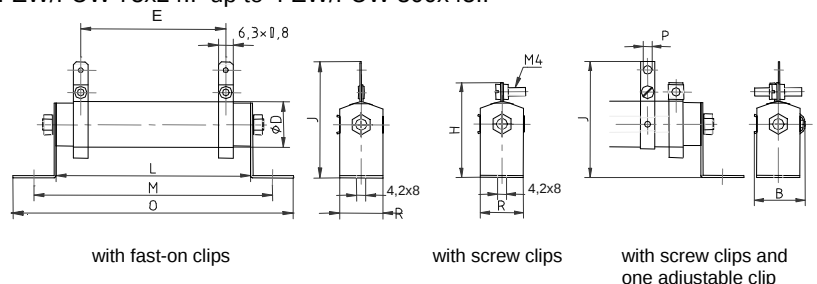
Type series FZW.. (standard) FUW.. L x D	typical power in W at 40°C, 100% DCF and 300°C ST	production range Ω–Wert		dimensions in mm								approx weight g
		from	up to	B	E	H	J	M	O	ØP	R	
F.W 50x16	12	0,27	6,8k	18	34	42	42	70	83	3,0	10	45
F.W 63x16	18	0,39	10k	18	45	42	42	84	97	3,0	10	55
F.W 100x16	34	0,68	18k	18	82	42	42	120	133	3,0	10	65
F.W 75x24	32	0,1	18k	28	55	47	56	95	115	4,1	20	120
F.W 100x24	44	0,15	27k	28	78	47	56	120	140	4,1	20	150
F.W 165x24	80	0,33	39k	28	137	47	56	185	205	4,1	20	210
F.W 265x24	140	0,56	68k	28	237	47	56	285	305	4,1	20	320
F.W 100x35	65	0,22	22k	38	78	52	63	120	140	4,1	20	180
F.W 135x35	100	0,33	33k	38	113	52	63	155	175	4,1	20	220
F.W 200x35	150	0,56	47k	38	172	52	63	220	240	4,1	20	310
F.W 330x35	250	1,0	82k	38	282	52	63	350	370	4,1	20	480
F.W 160x45	150	0,47	33k	48	125	69	78	184	200	4,1	40	380
F.W 200x45	180	0,68	39k	48	164	69	78	224	240	4,1	40	430
F.W 300x45	300	1,2	56k	48	250	69	78	324	340	4,1	40	600

For further details concerning the ohmic values please see pages T109E/110E.

FZW/FUW 50x16.. up to FZW/FUW 100x16..



FZW/FUW 75x24.. up to FZW/FUW 300x45..



11 M 0324 / 11 M 0325